

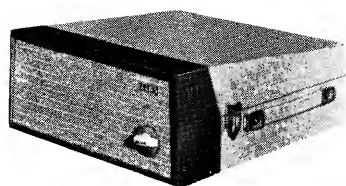
SERVICE



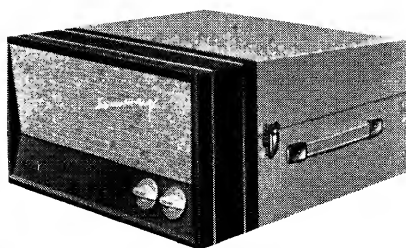
MANUAL

MODELS

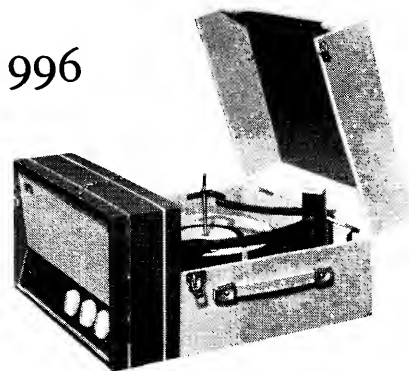
990



991



996



GENERAL DESCRIPTION

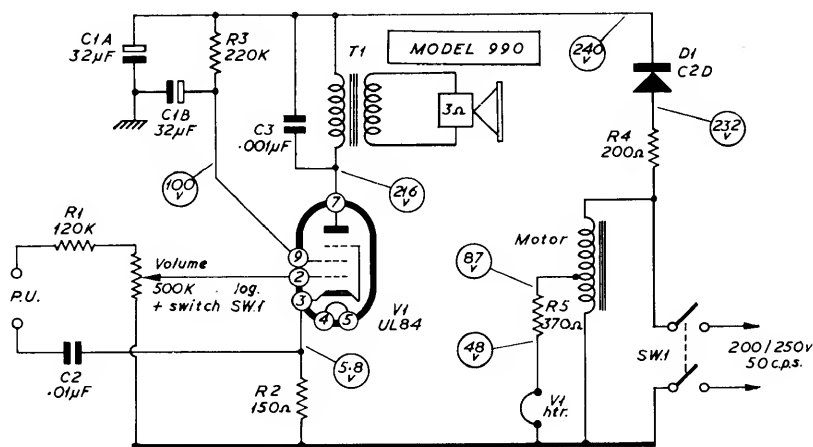
Models 990, 991 and 996 are of metal-chassis construction. Model 990 is fitted with the B.S.R. type TU9 4-speed single-player unit; models 991 and 996 are fitted with the B.S.R. type UA14 4-speed changer unit. All three models are designed for operation from Mains supplies of 200-250v AC 50 cps. only. Voltage adjustment, on models 991 and 996, is by means of a plug-and-socket arrangement on the amplifier chassis. Model 990 does not require adjustment for differing Mains voltages.

Average voltage readings under no-signal conditions are indicated in circles at the appropriate points on the Circuit Diagrams.

REPLACEMENTS

Component	Part No.
Model 990:	
B.S.R. type TU9 single-player	—
OFF/VOL. knob	12573
Volume Control (500K Log. with D.P. switch)	12583
Output Transformer	11372
Loudspeaker (5" round)	11323
Rectifier (S.T.C. type C2D)	12060
Model 991:	
B.S.R. type UA14 4-speed changer unit	—
OFF/VOL. knob	12573
TONE knob	12574
Tone Control (500K Inv. Log.)	12567
Volume Control (500K Log. with D.P. switch)	12569
Output Transformer	11411
Loudspeaker (7" x 4" elliptical)	12581
Rectifier (S.T.C. type C2D)	12060
Model 996:	
B.S.R. type UA14 4-speed changer unit	—
OFF/BASS knob	12575
TREBLE knob	12576
VOLUME knob	12577
Treble Control (500K Inv. Log.)	12567
Volume Control (500K Log.)	12568
Bass Control (50K Log. with D.P. switch)	12566
Output Transformer	12061
Loudspeakers: 8" x 5" elliptical	12028
Electrostatic tweeter	12029
Neon Indicator Lamp	12071
Rectifier (S.T.C. type C2D)	12060

CIRCUIT DIAGRAM OF MODEL 990

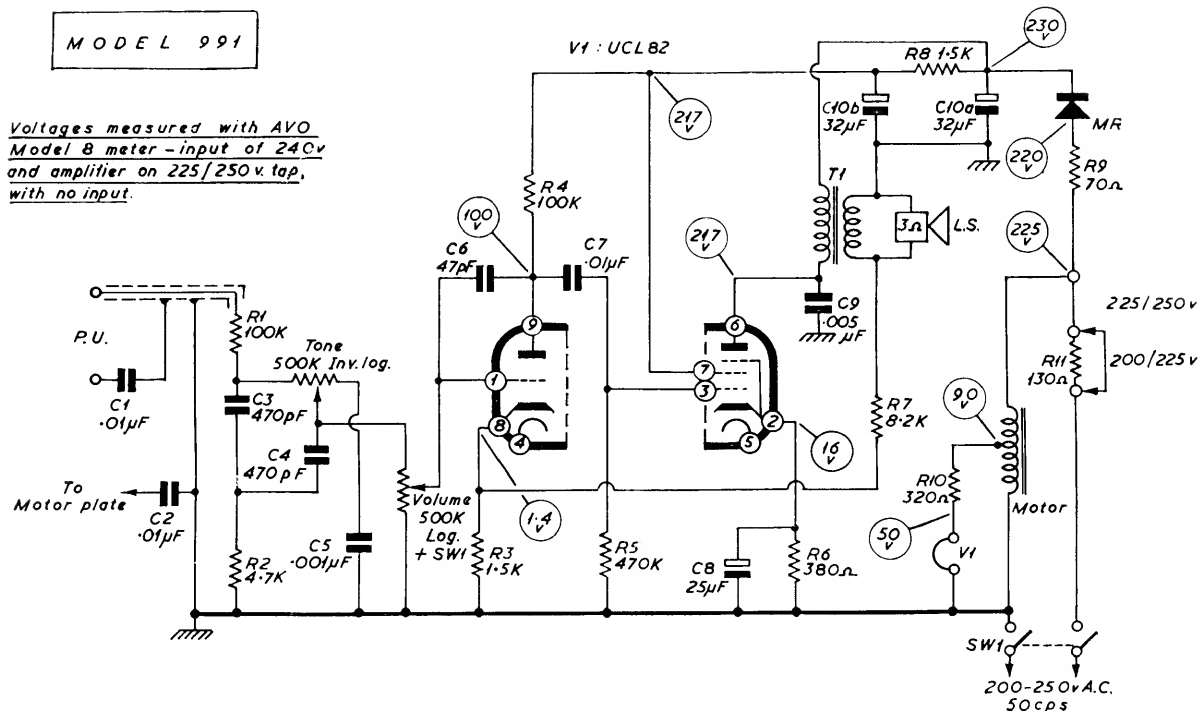


All voltages taken on 240volt mains supply, using the highest possible ranges of an AVO Model B meter, with no signal input

CIRCUIT DIAGRAM OF MODEL 991

MODEL 991

Voltages measured with AVO Model 8 meter - input of 240v and amplifier on 225/250v tap, with no input.



DISMANTLING

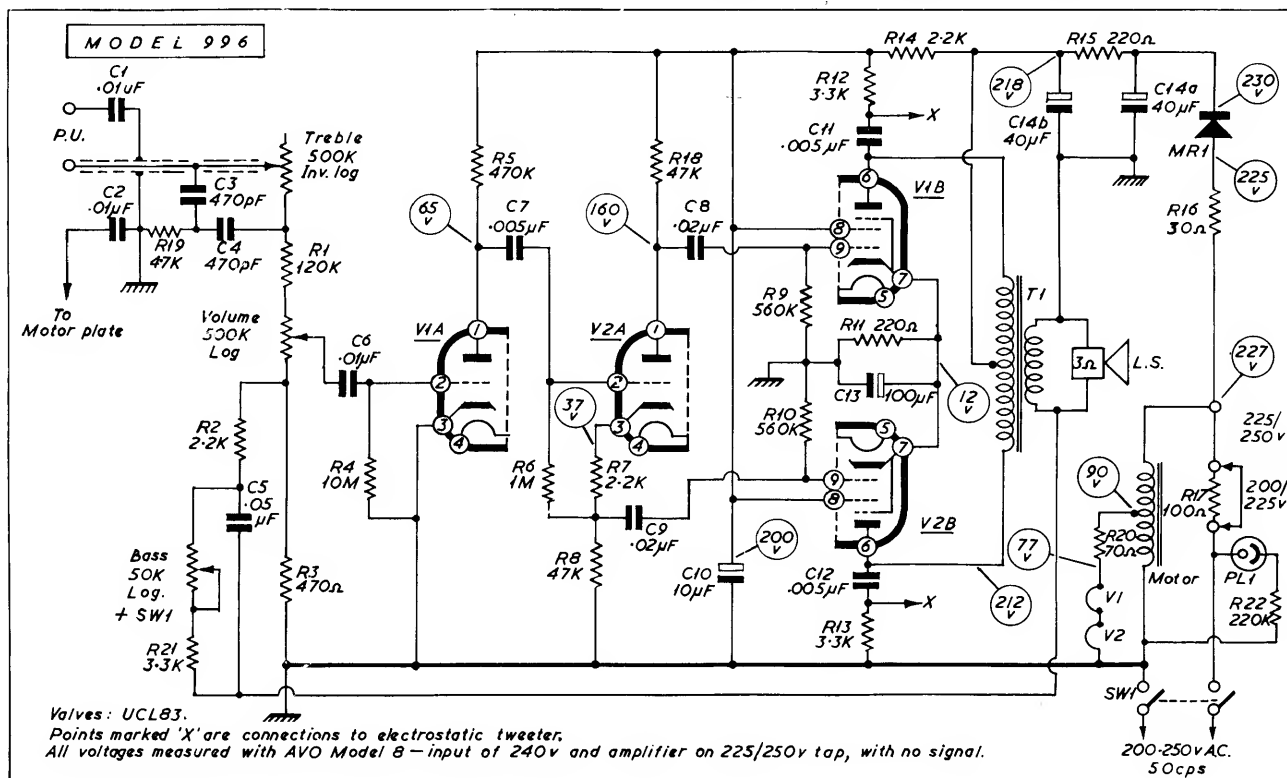
In all three cases the Amplifier chassis is accessible after the amplifier back-cover (secured by two wood screws) has been removed. To withdraw the amplifier and baffle from the cabinet, proceed as follows, having first removed the amplifier cover:—
Model 990: Pull off the front knob. Slacken 4 B.A. nut adjacent to the Volume Control. Remove 4 B.A. nut at the other end of the baffle. Press on the loudspeaker magnet to push the end of the

baffle forward. Baffle can then be slid sideways to release chassis from wooden fillet.

Models 991 and 996:

Pull off the front knobs. The baffle is held to the cabinet by four wood screws. Remove these, and tilt the baffle forward so that the control spindles clear the holes in the cabinet. The Amplifier and baffle can then be lifted out from the front.

CIRCUIT DIAGRAM OF MODEL 996



Valves: UCL83.
 Points marked 'X' are connections to electrostatic tweeter.
 All voltages measured with AVO Model 8 - input of 240v and amplifier on 225/250v tap, with no signal.